

## EAST Search History

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|--------|--|---|------------------|---------|---------------------|
| L3    | 368    | 528/86.icls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:18 |
| L4    | 204717 | (polyphenylene or poly(phenylene) or (\$phenylene) or polyarylene) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:30 |
| L5    | 6186   | (mesogen\$ or phtalocyanine)                                       | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:31 |
| L6    | 2300   | I4 and I5  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:31 |
| L7    | 36     | I4 and I5 and conjugat\$ with carbon                               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:31 |
| L8    | 431    | I4 and I5 and conjugat\$   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:31 |
| L9    | 117    | I4 and I5 and conjugat\$ and insulat\$                             | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:31 |
| L10   | 3      | I4 and I5 and conjugat\$ and insulat\$ and dienophile              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:32 |
| L11   | 3      | I4 and I5 and insulat\$ and dienophile                             | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:32 |
| L12   | 436    | \$cyclopentadienone\$  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:33 |
| L13   | 88     | I4 and (diels alder or diels-alder) and L12                        | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:33 |
| L14   | 39     | I4 and (diels alder or diels-alder) and L5                         | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2009/02/24<br>17:33 |

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| L15 | 1     | I4 and (diels alder or diels-alder) and L5 and I12  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2009/02/24<br>17:33 |
| L16 | 1     | I4 and (diels alder or diels-alder) and L5 and I13  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2009/02/24<br>17:33 |
| S1  | 7     | "575992".ap.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/03/18<br>12:43 |
| S2  | 46    | hefner robert.in.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/14<br>14:12 |
| S3  | 242   | hefner near3 robert.in.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>14:26 |
| S4  | 30302 | (polyphenylene or poly(phenylene) or (\$8phenylene) or polyarylene).clm.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>14:34 |
| S5  | 4971  | (mesogen\$)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>14:34 |
| S6  | 9     | (mesogen\$) with (pore\$ or porogen\$ or poragen\$)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>14:35 |
| S7  | 700   | S4 and S5   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>14:37 |
| S8  | 1     | \$cyclopentadienone\$   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>14:38 |
| S9  | 409   | \$cyclopentadienone\$   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>14:38 |
| S10 | 4     | S5 and S9   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>14:38 |
| S11 | 31    | ("20030027970"   "20030083392"   "20030165625"   "20040053033"   "20040054111"   "20060014855"   "4400540"   "5189117"   "5270406"   "5637669"   "5965679"   "6156812"   "6172128"   "6359091"   "6653358"   "6887910").PN. | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>15:02 |

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| S12 | 34   | S4 and (diels alder or diels-alder) and S9  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>15:04 |
| S13 | 2    | (polyphenylene or poly(phenylene) or (\$8phenylene) or polyarylene).dlm. and (\$hexamercaptobenzene or \$methylaninobenzene or \$hexamethyltriphenylene) and S9 | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>15:11 |
| S14 | 2    | (polyphenylene or poly(phenylene) or (\$8phenylene) or polyarylene).dlm. and (\$hexamercaptobenzene or \$methylaninobenzene or \$hexamethyltriphenylene) and S9 | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>15:11 |
| S15 | 108  | (polyphenylene or poly(phenylene) or (\$8phenylene) or polyarylene).dlm. and (\$hexamercaptobenzene or \$methylaninobenzene or \$hexamethyltriphenylene)        | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>15:13 |
| S16 | 11   | ("4764581"   "4865762"   "4908424"   "4954583"   "4992488"   "5037934"   "5128060"   "5128061"   "5128074"   "5164464"   "5274092").FN. OR ("5637669").URFN.    | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/08/29<br>15:14 |
| S17 | 2944 | (mesogen\$) with (moiety or substituent or group)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>15:15 |
| S18 | 4    | S17 and S9  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>15:16 |
| S19 | 298  | (polyphenylene or poly(phenylene) or (\$8phenylene) or polyarylene) with mesogen\$  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>15:26 |
| S20 | 26   | (polyphenylene or poly(phenylene) or polyarylene) with mesogen\$  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>15:26 |
| S21 | 4    | "2003027970"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>16:02 |
| S22 | 0    | haamann roland.in.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>16:03 |
| S23 | 3    | haasmann roland.in.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>16:03 |
| S24 | 361  | 528/86.ids.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>16:40 |

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|-----|---|-----------------|---|-----|----|---------------------|
| S25 | 2 | S24 and mesogen | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>16:41 |
| S26 | 8 | "186658".ap.    | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>17:23 |
| S27 | 5 | "269147".ap.    | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/29<br>18:20 |
| S28 | 2 | "6828406".pn.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/12/19<br>18:53 |

2/24/2009 5:33:52 PM

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